



ELG Docket No. CAL01-001-CON-US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First  
Named  
Inventor: Nancy Allbritton Examiner: Deborah Davis  
Serial No.: 09/945,396  
Filing Date: August 30, 2001 Group Art Unit: 1641  
Title: Method and Apparatus for Detecting  
Enzymatic Activity Using Molecules  
that Change Electrophoretic Mobility

**TRANSMITTAL  
AND  
CERTIFICATE OF MAILING UNDER 37 CFR 1.8**

I certify that the following correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on

April 24, 2006  
Date

Daniel W. Celander, Ph.D. Registration No. 52,710  
typed or printed name of person signing Certificate

Daniel W. Colander

1. Copy of Missing References
2. Form PTO-1449
3. References B27-B52

**No Fee Due - - The Commissioner is authorized to charge any required fees not covered by this credit card payment or credit any overpayment to Deposit Account Number 50-3123. (A duplicate copy of this sheet is attached.)**

**Customer No. 43320  
Evan Law Group LLC  
566 West Adams  
Suite 350  
Chicago, Illinois 60661  
312 876-1400**



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## **COPY OF MISSING REFERENCES**

M.S. – AF  
Commissioner for Patents  
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Dear Sir:

Applicants respectfully resubmit the references not received by the examiner and a Form PTO-1449.

Applicants thank Examiner Davis for consideration of the references lost before being received by her.

For her convenience, we enclose a Form PTO-1449 listing only these references.

Respectfully submitted,

Daniel W. Celander  
Daniel W. Celander, Ph.D.  
Registration No. 52-710

Evan Law Group LLC  
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Chicago, Illinois 60661  
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Form PTO-1449 (Rev. 8-88)	Attorney Docket No. CAL01-001-CON-US	Serial No. 09/945,396
Applicant: Allbritton, et al		
Filing Date: August 30, 2001		Group: 1641
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)		

Examiner Initials*	OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages	
	B27 Abstract – Kirkpatrick, et al., Energy Res. Abstracts vol. 4, No. 15, Abstr. No. 41711, 1979.	
	B28 Abstract – Theis, et al., Clinical Cardiology, vol. 6, No. 8, pp. 396-398, 1983.	
	B29 Abstract – Solgonick, et al., Journal of Endourology, vol. 7, No. 5, pp. 371-373, Oct. 1993.	
	B30 Abstract – Krasieva, et al., Proc. SPIE – Int. Soc. Opt. Eng., vol. 3260, pp. 38-44, 1998.	
	B31 Yang, Q., et al., "Trends in Capillary Electrophoresis: 1997", Journal of Chromatographic Science, vol. 35, pp. 358-373, (1997).	
	B32 Capillary Zone Electrophoresis with Electrochemical Detection in 12.7 um Diameter Columns, Anal. Chem. 1988, 60, Wallingford, et al., pp. 1972-1975.	
	B33 Capillary Electrophoresis in 2 and 5 um Diameter Capillaries: Application to Cytoplasmic Analysis, Anal. Chem., 1990, 62, Olefirowicz et al. pp. 1872-1876.	
	B34 Microcolumn Separations and the Analysis of Single Cells, Kennedy et al., Science, vol. 246, pp. 57-63, (1989).	
	B35 Monitoring single-cell pharmacokinetics by capillary electrophoresis, etc. Journal of Chromatography B, 689, 1997, Tong et al., pp. 321-325.	
	B36 Discovery of endogenous catecholamines in lymphocytes and evidence for catecholamine regulation of lymphocyte function via an autocrine loop., Proc. Natl. Acad. Sci., USA, Bergquist, J., et al., vol. 91, pp. 12912-12916, (1994).	
	B37 Kinetic Perfection in Enzymatic Catalysis: The $k_{cat}/k_M$ Criterion", Biochemistry textbook by Stryer, p. 195, March 1, 1995.	
	B38 Inositol Trisphosphate and calcium signaling, Nature, vol. 361, 1993 Berridge, pp. 315-325.	
	B39 A review of In Vitro Studies: Low-Frequency Electromagnetic Fields, American Industrial Hygiene Assoc. J., vol. 54, Cleary, 1993, pp. 178-185.	
	B40 A critical review of the genotoxic potential of electric and magnetic fields, Mutation Research, 1993, McCann et al., vol. 297, pp. 61-95.	
	B41 Formation and resealing of pores of controlled sizes in human erythrocyte membrane, Nature vol. 268, 1977, Kinosita, JR et al., pp. 438-441.	
	B42 Electroporation-Induced Formation of Individual Calcium Entry Sites in the cell body and processes of adherent cells", Biophysical Journal, vol. 73, 1997, Teruel et al., pp. 1785-1796.	
	B43 Manipulation of a single cell with microcapillary tubing based on its electrophoretic mobility, Electrophoresis 1995, Kitagawa et al., vol 16, pp. 1364-1368	
	B44 Focal Adhesions, Contractility, and Signaling, Annual Reviews Cell Dev. Biology, 1996, Burridge et al., vol. 12, pp. 463-519.	
	B45 Regulation of extracellular matrix synthesis by mechanical stress, Biochem. Cell Biol. 74, 1996, Chiquet et al., pp. 737-744.	

Examiner	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Attorney Docket No.  
CAL01-001-CON-USSerial No.  
09/945,396Applicant:  
Allbritton, et alFiling Date:  
August 30, 2001Group:  
1641
**INFORMATION DISCLOSURE CITATION**  
 (Use several sheets if necessary)

	B46	Tensegrity: The Architectural Basis of Cellular Mechanotransduction, Annual Reviews Physiol., 1997, Ingber, vol. 59, pp. 575-599.
	B47	Mechanisms of Intraocular Photodisruption with Picosecond and Nanosecond Laser Pulses, Lasers in Surgery and Medicine 1994, Vogel et al., vol. 15, pp. 32-43
	B48	The Interaction of a single laser-generated cavity in water with a solid surface, 1996, J. Acoustical Society of America, Shaw et al., vol. 99, no. 5, pp. 2811-2824.
	B49	Shock wave emission and cavitation bubble generation by picosecond and nanosecond optical breakdown in water, 1996, J. Acoustical Society of Am., Vogel, et al., vol. 100, no. 1, pp. 148-165.
	B50	Alteration of cell membrane by stress waves In Vitro, Ultrasound in Med. & Biol., vol. 22, No. 9, 1996, Lee et al., pp. 1285-1293.
	B51	Stress-Wave-Induced Injury to Retinal Pigment Epithelium Cells In Vitro, Lasers in Surgery and Medicine, 1996, Douki, et al., vol. 19, pp. 249-259.
	B52	Transcellular transport of fluorescein in hepatocyte mono-layers: Evidence for functional polarity of cells in culture, Proc. Natl. Acad. Sci. USA, vol. 79, Aug. 1982, Barth, et al., pp. 4985-4987.

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